

CLAIMS

1. A connecting device comprising:

a bendable member which has enough restoring force
and rigidity to restore a bent state to an unbent state
5 and foldably connects two housing portions separated from
each other by a predetermined distance.

2. A connecting device comprising:

a sheet-shaped member having flexibility on which two
10 housing portions are fixed at a predetermined gap; and

a bendable member which has enough restoring force
and rigidity to restore a bent state to an unbent state
and is attached to the two housing portions so as to be
overlapped with the sheet-shaped member.

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3. The connecting device according to claim 1 or 2,
wherein the bendable member is a thin plate having an
arc shape in sectional view.

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4. The connecting device according to claim 3,
wherein the bendable member is attached to the two
housing portions, with a concave portion thereof oriented
in a direction where the two housing portions are folded.

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5. The connecting device according to any one of

claims 2 to 4,

wherein the sheet-shaped member has a folding force
generating means for generating folding force to hold the
folded state of the housing portions at a substantially
5 central region thereof corresponding to the gap between
the two housing portions.

6. The connecting device according to any one of
claims 2 to 5,

10 wherein the sheet-shaped member includes a stopper
that is bent to temporarily hold the folded state of the
two housing portions.

7. A connecting device comprising:

15 a connecting portion which foldably connects two
housing portions;

a flexible wiring member which connects the two
housing portions such that they can communicate with each
other; and

20 a receiving antenna which is connected to one of the
two housing portions.

8. An electronic apparatus comprising:

two housing portions; and

25 the connecting device according to any one of claims

1 to 6 that foldably connects the two housing portions.

9. The electronic apparatus according to claim 7,
further comprising;

5 a display unit that is provided in one of the two
housing portions; and

an operating unit that is provided in the other
housing portion,

wherein, when the two housing portions are in a
10 folded state, the display unit and the operating unit are
arranged opposite to each other.

10. The electronic apparatus according to claim 7,
wherein the bendable member has a curved shape in
15 sectional view,

both ends of the bendable member in the longitudinal
direction are fixed to leading ends of bosses provided on
the two housing portions, and

the leading ends of the bosses have spherical shapes.
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11. The electronic apparatus according to claim 7,
wherein the bendable member has a curved shape in
sectional view,

both ends of the bendable member in the longitudinal
25 direction are fixed to leading ends of bosses provided on

the two housing portions, and

the leading ends of the bosses each have R portions opposite to each other.

5 12. A folding portable terminal apparatus comprising:

an upper housing portion which has a display unit provided therein;

10 a lower housing portion which has an operating unit provided therein; and

a connecting portion which foldably connects the upper housing portion and the lower housing portion,

15 wherein the connecting portion includes a plurality of connecting plates each having a curved portion that is curved on an axis parallel to a connecting direction thereof.

13. The folding portable terminal apparatus according to claim 12,

20 wherein the plurality of connecting plates overlap each other.